

LAMBERT AND ANTHONY
MEDIUM WAVE TRANSMITTING ANTENNAS
2613 CRAIG AVENUE

ORIGINAL

FCC MAIL SECTION
CONCORD, NORTH CAROLINA 28027

JUSTINE HOPE LAMBERT
YORK DAVID ANTHONY

TELEPHONE (704) 786-8874

OCT 24 11 33 AM '91

OCT 24 5 23 AM '91

RE: [illegible]

21 October 1991

Ms. Donna Searcy, Secretary
Federal Communications Commission
1919 M Street, NW
Washington, DC 20554

RE: BPED-910227MD
NEW FM, Winston-Salem, NC
Seeks: Channel 207C3

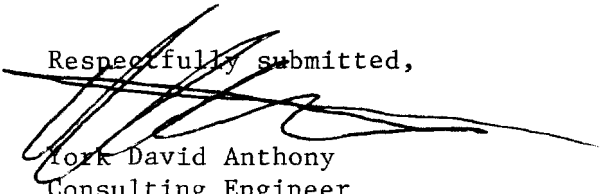
Honourable Secretary:

Transmitted herewith on behalf of TRIAD FAMILY NETWORK, INCORPORATED is an original and three copies of an ENGINEERING AMENDMENT to be associated with the above captioned application.

Triad Family Network seek to replace engineering materials originally submitted in response to a letter dated 26 July 1991 as regards compliance with OET Bulletin 65. An original amendment dated 11 August 1991 was never received at the Commission's offices although sent certified mail and signed for.

This should complete the record for this application and it can resume processing at the pleasure of the Commission. Should there be inquiry please direct it to the undersigned.

Respectfully submitted,


York David Anthony
Consulting Engineer
TRIAD FAMILY NETWORK, INC.

Note: the additional copy is for John Grizzle in the FM Branch as a courtesy copy.

RECEIVED

OCT 25 1991

FM EXAMINERS

BEFORE THE
FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, DC 20554

FCC MAIL SECTION

Oct 21 11 34 AM '91

In the matter of)
)
TRIAD FAMILY NETWORK, INC) File BPED-910227MD
NEW FM, Winston Salem, North Carolina)
Seeks: Channel 207C3)

ENGINEERING AMENDMENT

Comes now York David Anthony, consulting engineer for Triad Family Network, Incorporated, who, pursuant to a letter dated 10 October 1991, seeks once again to submit a curative amendment concerning OST Bulletin 65 and the above-captioned application (8920-TDN).

In consultation with Ms. Nguyen (the examiner of this application) as well as John Grizzle, a senior staff engineer, it would appear that this office has a decent understanding of the material contained in OST Bulletin 65. Attached forthwith is the cover letter and engineering amendment submitted in response to their last inquiry in July, 1991 seeking more detail. Paragraph 3 specifically states that "should access to biohazard areas be required, the stations would be removed from the air."

It would appear according to a diligent search by Mr. Grizzle that this amendment did not make it to the application's jacket either in the FM Branch or in the public reference room. The lack of appearance of the August 11th amendment at the relevant offices of the Commission would of course be a reason why this was not addressed.

So as to complete the record thoroughly, it should be noted that after a personal visit from our offices, it has been determined that the existing AM Tower is adequately fenced beyond the present levels required for OET Bulletin 65. The station's transmitting plant is located nearly 20 meters away in the basement of a building; the present AM is connected by coaxial cable, and inasmuch as there

are no shunt elements in the AM transmission matching network (it is a folded unipole) there is no requirement that employees enter this area for routine base current readings. (The line current for the AM station may be accepted as the base current under this circumstance.)

When AM work is required, the station has been turned off. Since there is nothing at the base of the tower but a single vacuum capacitor to tune the reactance out of the shunt feed, there is no need for routine access to this point. This situation would be equivalent to Contingency "C" on page 2 of Mimeo 2278.

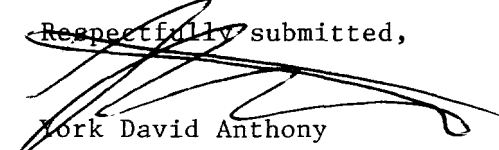
It has been demonstrated that the addition of the FM antenna on the tower would produce a biohazard 21.5 meters from the locus of the antenna. Specifically, the occupational exposure (if any) would be 21.5 meters straight down from the lowest antenna bay.

Inasmuch as this bay is at least 33 meters above ground level, and assuming an isotropic source, the proposed operation's biohazard would be located at the closest point 30 feet (11.5 meters) above the ground. Clearly, anyone outside the fence for the AM tower would not be exposed to the FM Biohazard. Furthermore, working on the roof of the station's studios (located 20 meters from the radiation at the lowest bay) would receive no biohazard.

Should tower climbing be necessary, the station(s) would be turned off, eliminating the biohazard from personnel. There is no biohazard to the general public. (Coaxial line and a basement location for the FM transmitter is also contemplated). The FM situation is equivalent to Contingency "A" in Mimeo 2278.

It is believed that this assessment is complete and correct in all respects and processing can be resumed at the pleasure of the Commission.

Respectfully submitted,


Mark David Anthony
Consulting Engineer

20334
FOC MAIL SECTION

5721 1134 191

8920-TDN

Oct 20 10 30 AM '91

Further action on the subject application will be withheld for thirty days from

LAMBERT AND ANTHONY
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TELEPHONE (704) 786-8874

JUSTINE HOPE LAMBERT
YORK DAVID ANTHONY

OCT 21 11 34 AM '91

11 August 1991

Ms. Donna Searcy, Secretary
FEDERAL COMMUNICATIONS COMMISSION
1919 M Street, NW
Washington, DC 20554

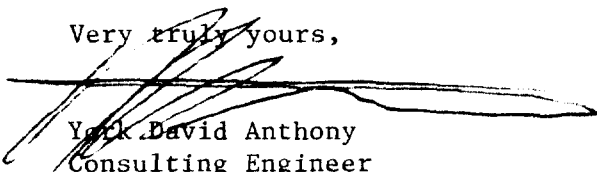
RE: Triad Family Network, Inc.
NEW FM, Winston-Salem, NC
Channel 207C3, BPED-910227MD

Honourable Secretary:

Transmitted herewith on behalf of Triad Family Network, Incorporated is an original and two copies of an engineering amendment to the above captioned application. Triad Family Network seeks to expand its radiofrequency biohazard statement to more fully address the issue of occupational exposure (there is none) from the proposed FM transmitting facility.

Should there be inquiry please direct it to the undersigned.

Very truly yours,


York David Anthony
Consulting Engineer

Triad Family Network, Inc.

Before the FCC MAIL SECTION
FEDERAL COMMUNICATIONS COMMISSION

Washington, DC 20550 OCT 24 11 34 AM '91

In the matter of)
)
TRIAD FAMILY NETWORK, INC.) BPED-910227MD
NEW FM, Winston-Salem, NC)
Channel 207C3)

ENGINEERING AMENDMENT

Comes now York David Anthony, consulting engineer for Triad Family Network, Incorporated, who seeks to expand the radiofrequency biohazard statement in the above captioned application. Specifically, he wishes to more completely address the concerns raised by the Commission in a letter dated 30 July 1991 concerning the subject application.

In Exhibit "H" of our original application, the radiofrequency biohazard distance was calculated to be 21.5 meters from the lowest bay of the directional antenna system proposed. This would leave a distance from the ground level for the biohazard of 1.0 mw/cm^2 of 11.5 meters, or over 30 feet.

No radiofrequency biohazard would exist for authorized persons who have access to the site from the proposed operation, unless it were necessary to climb the tower for structural maintenance. (The tower is not lit or is required to be lit or painted). Inasmuch as the tower is an AM structure for WBFJ (AM) Winston-Salem, NC, the biohazard distance of 30 feet minimum above ground level and the fact that the tower is fenced and locked presently beyond the biohazard distance for the AM power level would conclusively suggest that there is no possibility of authorized personnel being exposed to the biohazard. The gate door will be appropriately placed to the tower. Should access to biohazard